



SNS COLLEGE OF TECHNOLOGY



Coimbatore - 35

23BAT613 – Operations Management

UNIT-I Introduction

Challenges of System Perspective

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1st
*Indian
Institution
To
Implement*

**Design
Thinking
Curriculum**

Redesigning
Common Mind and
Business Towards
Excellence



TODAY'S TOPIC:

Challenges of System Perspective





Introduction to System Perspective

- ❖ Operation management involves the coordination and oversight of various interconnected systems within an organization.
- ❖ A system perspective in operation management aims to understand the holistic view of these systems and how they interact.





THE CHALLENGE

Understanding the Challenge

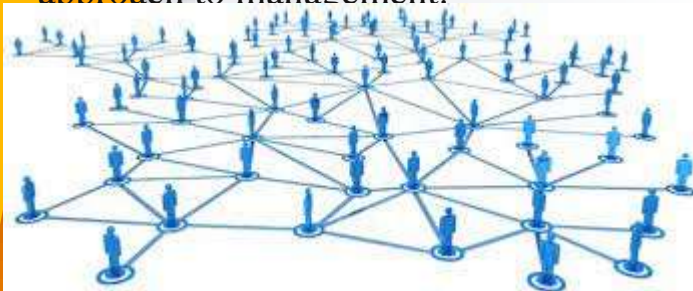
1. **Interconnected Processes**
 - This can lead to bottlenecks, delays, and inefficiencies, requiring a comprehensive understanding of how each operation affects the entire system.
2. **Efficiency and Flexibility**
 - Striking the right balance is crucial to prevent over-optimization, which can lead to rigidity, or under optimization, resulting in inefficiencies and missed opportunities.
3. **Impact on Decision making**
 - The complex interactions between different operational elements create challenges in making informed and effective decisions that drive the organization forward.



Complexity of Interconnected Process

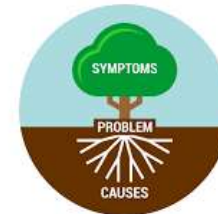
Interdependencies:

- ▶ The complexity of interconnected processes lies in their interdependencies. Changes in one area of operations can have far-reaching effects across the entire system, requiring a careful and holistic approach to management.



Root Cause Analysis:

- ▶ Understanding the root causes of interconnected process challenges is essential. It involves identifying the underlying factors that contribute to inefficiencies or disruptions in the system, paving the way for targeted solutions.





Balancing Efficiency and Flexibility



1

Optimizing Processes

→ Efficiency is achieved through optimizing individual processes. This involves streamlining operations to **reduce waste and maximize output** without sacrificing quality.

2

Adapting to Change

→ Flexibility is crucial for adapting to changes in demand, technology, or market conditions. Maintaining a **level of agility** allows for quick adjustments without disrupting the entire operational structure.

3

Agile Decision-making

→ This balance ensures that decisions align not only with the immediate needs but with the **long-term strategic goals** of the organization.



Impact On Decision Making



1

Information Overload

- ▶ The interconnected nature of processes can lead to **information overload**, making it challenging to extract critical insights for decision-making.

2

Complex Trade-offs

- ▶ Decision-making is influenced by **complex trade-offs** arising from balancing efficiency, flexibility, and interconnectedness.

3

Strategic Alignment

- ▶ Alignment with strategic **objectives requires a deep understanding** of how decisions impact the entire operational landscape.



Strategies for overcoming challenges



❖ Technology Integration

Leveraging technology for process optimization, data analysis, and automation can address operational complexities.

❖ Collaborative Approach

Fostering collaboration across departments and teams encourages cross-functional problem-solving and innovation.

❖ Continuous Improvement

Implementing a culture of continuous improvement to adapt to changing operational landscapes and maintain agility.





Summary

- ☐ Introduction
- ☐ Challenges
- ☐ Balancing
- ☐ Impact
- ☐ Strategies for overcoming challenges



ASSESSMENT:



Which of the following is not a component system approach?

- a. Feedback
- b. Webnetwork
- c. Input
- d. Process



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**THANK
YOU!**